

Title (en)

A method of preparing 16-dehydro vitamin D compounds

Title (de)

Verfahren zur Herstellung von 16-Dehydro Vitamin D Verbindungen

Title (fr)

Procédé de préparation de composés de 16-déhydro vitamine D

Publication

EP 0884308 A3 19990519 (EN)

Application

EP 98201381 A 19980428

Priority

- EP 98201381 A 19980428
- EP 97201334 A 19970502

Abstract (en)

[origin: EP0884308A2] The invention relates to a new method of preparing 16-dehydro vitamin D compounds having formula I <CHEM> wherein: R has the epi-configuration or the normal configuration and represents straight or branched C1-6-alkyl, C2-6-alkenyl, C3-6-cycloalkyl, or an aromatic group optionally substituted with halogen, C1-3-alkyl or alkoxy, Z is a saturated or unsaturated straight hydrocarbon group or oxahydrocarbon group containing 3-6 C-atoms which may be substituted with OH, F, alkyl (C1-3) or cycloalkyl (C3-5), R1 is hydrogen or an hydroxy protecting group, R2 is hydrogen or hydroxy, and A and B represent hydrogen or methyl, or together form the methylene group, to the new compounds having this formula and to new intermediates obtainable according to this process.

IPC 1-7

C07C 401/00; A61K 31/59

IPC 8 full level

A61K 31/59 (2006.01); **A61P 11/00** (2006.01); **A61P 17/00** (2006.01); **A61P 29/00** (2006.01); **A61P 35/00** (2006.01); **A61P 37/00** (2006.01);
C07C 35/27 (2006.01); **C07C 49/665** (2006.01); **C07C 401/00** (2006.01)

CPC (source: EP US)

A61P 11/00 (2018.01 - EP); **A61P 17/00** (2018.01 - EP); **A61P 29/00** (2018.01 - EP); **A61P 35/00** (2018.01 - EP); **A61P 37/00** (2018.01 - EP);
C07C 59/90 (2013.01 - EP US); **C07C 401/00** (2013.01 - EP US); **C07F 7/1892** (2013.01 - EP US); **C07C 2602/24** (2017.05 - EP US);
Y02P 20/55 (2015.11 - EP US)

Citation (search report)

- [DA] EP 0717034 A1 19960619 - DUPHAR INT RES [NL]
- [A] EP 0654467 A2 19950524 - HOFFMANN LA ROCHE [CH]
- [A] EP 0646576 A1 19950405 - HOFFMANN LA ROCHE [CH]
- [A] EP 0599114 A1 19940601 - HOFFMANN LA ROCHE [CH]
- [A] EP 0325279 A1 19890726 - HOFFMANN LA ROCHE [CH]
- [A] US 5384314 A 19950124 - DORAN THOMAS I [US], et al
- [A] CHEMICAL ABSTRACTS, vol. 124, no. 5, 29 January 1996, Columbus, Ohio, US; abstract no. 45911t, XP002039835 & M.G. BISCHOF ET AL, J. PHARMACOL. EXP. THER., vol. 275, no. 3, 1995, pages 1254 - 1260

Cited by

US9994508B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0884308 A2 19981216; EP 0884308 A3 19990519; EP 0884308 B1 20030416; AT E237586 T1 20030515; DE 69813380 D1 20030522;
DE 69813380 T2 20031204; DK 0884308 T3 20030721; ES 2196476 T3 20031216; IL 124284 A 20040927; JP H10316652 A 19981202;
US 6080878 A 20000627

DOCDB simple family (application)

EP 98201381 A 19980428; AT 98201381 T 19980428; DE 69813380 T 19980428; DK 98201381 T 19980428; ES 98201381 T 19980428;
IL 12428498 A 19980429; JP 13261198 A 19980428; US 6790398 A 19980429